



ATTITUDE CONTROL COMPONENTS TEST FACILITY

Purpose:

To provide the capability to perform functional, life, and acceptance testing of control moment gyros and reaction wheel assemblies.

Included in the facility are explosion-proof test vaults, one of which is mounted on a seismic isolation pad. These vaults are a unique capability, which allows safe testing of high-energy rotating devices such as gyros and reaction wheel assemblies. The larger of the two vaults has a video system capable of safely observing the device as it undergoes torque sequences. Automatic test equipment is available to monitor the attitude control component's performance, record data and provide automatic shutdown of the test in case of a malfunction. Presently, the facility is supporting the life testing of attitude control components for the Chandra X-Ray Observatory and the International Space Station. The facility is located in Building 4487.



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